```
1: // $Id: macros.cpp,v 1.1 2018-01-22 14:07:15-08 - - $
 3: #include <cassert>
 4: #include <iomanip>
 5: #include <iostream>
 6: using namespace std;
7:
 8: #define PRINT(ITEM) cout << #ITEM << " = \"" << ITEM << "\"" << endl;
9:
10: int main (int argc, char **argv) {
11:
       (void) argc; // : unused parameter 'argc' [-Wunused-parameter]
12:
       PRINT (argv[0]);
13:
       PRINT (__FILE__);
       PRINT (__LINE__);
14:
15:
       PRINT (__func__);
16:
       PRINT (__PRETTY_FUNCTION__);
17:
       PRINT (__DATE__);
                _TIME___);
18:
       PRINT (__
19:
       PRINT (__STDC__);
20:
       #ifdef __STDC_VERSION_
      PRINT (__STDC_VERSION__);
21:
22:
       #endif
23:
       #ifdef __cplusplus
24:
       PRINT (__cplusplus);
25:
       #endif
       #ifdef ___GNUC_
26:
       PRINT (__GNUC__);
27:
28:
       PRINT (__GNUC_MINOR__);
29:
       PRINT (__GNUC_PATCHLEVEL__);
30:
       #endif
31:
       PRINT (__BASE_FILE__);
       PRINT (__INCLUDE_LEVEL__);
32:
33:
       PRINT (__VERSION___);
34:
       return 0;
35: }
36:
37: //TEST// ./macros >macros.lis 2>&1
38: //TEST// mkpspdf macros.ps macros.cpp* macros.lis
39:
```

01/22/18 14:07:16

\$cmps104a-wm/Assignments/code/miscellaneous/macros.cpp.log

1/1

- 1: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: starting macros.cpp
- 2: macros.cpp:
- 3: \$Id: macros.cpp, v 1.1 2018-01-22 14:07:15-08 - \$
- 4: g++ -g -00 -Wall -Wextra -fdiagnostics-color=never -std=gnu++17 -Wold-st yle-cast macros.cpp -o macros -lm
 - 5: rm -f macros.o
 - $6: \ \texttt{@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: finished macros.cpp} \\$

01/22/18 14:07:16

\$cmps104a-wm/Assignments/code/miscellaneous/macros.lis

1/1

```
1: argv[0] = "./macros"

2: __FILE__ = "macros.cpp"

3: __LINE__ = "14"

4: __func__ = "main"

5: __PRETTY_FUNCTION__ = "int main(int, char**)"

6: __DATE__ = "Jan 22 2018"

7: __TIME__ = "14:07:15"

8: __STDC__ = "1"

9: __cplusplus = "201500"

10: __GNUC__ = "6"

11: __GNUC_MINOR__ = "3"

12: __GNUC_PATCHLEVEL__ = "1"

13: __BASE_FILE__ = "macros.cpp"

14: __INCLUDE_LEVEL__ = "0"

15: __VERSION__ = "6.3.1 20170216 (Red Hat 6.3.1-3)"
```